No 1st & part AS)

Original/Duplicate/Triplicate SBR No. 109/16-17

CONTRACT CERTIFICATE 240 30-11-2016

(For Other Works) YNK-DBR No. Date 2016

Dt: 30.11.16

Division: **BBMP / YNK** Sub-Division: **Yelahanka Sub Division.**

Bill Received No. Dated Divisional Cash Book Voucher No..... Dated.....

Sub Divisional **Work Code: 003-16-000026.**

Schedule Docket No. Head of Account: Est.Cost: **897.70** Lakhs B.R.No. :

Name of Work : Comprehensive Development of road and drains in ward No- 3 and 4 in yelahanka upanagara sub division

Name of Contractor and Full Address: **M/s. A.C.R Projects (Sri A Chennareddy) No 01, Bairappa Circle, Jambu Savari Dinne, 8th stage, J P Nagar, Bangalore - 560083.**

Reference to Agreement No. EE(YNK.D)/E-PMT-2/W.O/87/2015-16 Date 31-8-2016

Certified that the measurements were taken by me on 30/11/16 and recorded of Pages 46330 to 320 to .....of measurement Book No..... and that the work is satisfactorily executed.

Contractor 4634 Officer-in-charge of work

Certified that the measurement were taken by me on 30/11/16 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Sub-Division Officer

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ.
ಬ.ಬ.ಎಂ.ಪ. ಬೆಂಗಳೂರು-106

II Memorandum of Payment

1) Total value of work done or supplies made as per account within	1st & part	5508173=00
2) Deduct amount to be held in reserve being .....percent Rs.....		
3) " Balance		
4) Deduct Payment:		
a) Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D. No..... adjusted towards cash advance recovery of	Amount IT	550918=00
	ICLT	2203270=00
	EWF	55081=00
b) Payments Now made { cost store or other material supplied. recovery of amount creditable to this/other work Amount paid on this bill Cheque / Cash.	EBF	55082=00
	Royalty	1244270=00
5) Balance being unpaid value of work done held in reserve.		
6) Deduct cash advance made on the Office cash Book Voucher No..... dated.....less adjustments.	- T.D	4604258=00
7) Net amount due to or from Contractor unadjustments items.	Net	5047747=00
8) Advance to Contractor for materials brought to site (as detailed) within		
9) Value of Government materials supplied.		
Total amount adjusted -		

Contractor's Signature

Received Rs..... (in words).....

by cash and by adjustment of Payment as per memorandum (in final settlement of all demands) 5508173=00 (For use in the Office)

Witness
1.
2.

Signature of Contractor

Dated

Paid by me by Cheque No.....Dated.....

Cash Rs.....

Dated.....

Initials of Officer making payment

Stamp

5047747=00 by Cheque

4604258=00 by Payment

Executive Engineer

Sl no	Description of work	Unit
1	Removing BS slab of drain and stacking	Sqm
2	Refixing stone slab of drains abd pointing in C.M (1:3)	Sqm
3	Providing granite slabs of selected quality roughly dressed and fixed in cement morter (1:6) including fixing curing etc complete 7.5 cm thick.	Sqm
7	KSRRB 300-1 Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 1.5 m excavated surface leveled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specification	cum
26	KSRRB M-300-14 Excavation for road work in all type of soil with hydralic excavator of 0.9 cum bucket capacity, including cutting and loading in tippers trimming bottom abd side slopes in accordance with requirements of lines grades and cross sections, and transporting to the embankment location to a lead of 1.00 km and complete as per specification	cum
15	KSRB-4-1.2 : **Providing and laying in position plain cement concrete of mix 1:3:6 withOPC cement at 220kgs**, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @0.465cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications	cum
10	Providing and **constructing granite/trap/basalt size stone masonry(with available stone) in foundation with** cement morter 1:6 stone hammered dressed in courses not less than 20 cms high bond stones at two m apart in each course including cost of materials labour curing complete as per specifications	cum
11	KSRB 5.2.3 Providing and **constructing granite/trap/basalt size stone masonry in foundation with** cement morter 1:6 stone hammered dressed in courses not less than 20 cms high bond stones at two m apart in each course including cost of materials labour curing complete as per specifications	cum
12	KSRB 15.1.1 Providing flush pointing to square rubble, course or uncoursed stone masonry with cement morter 1:3 20mm deep after raking joints to depth of 20mm nicely linging including cost of materials labour, curing, complete as per specification	Sqm
14	KSRB 5.14 Providing and constructing precast concrete solid blocks with compressive strength not less than 35 kg/sqm with cement morter 1:4 masonry (quoin, jamp, closer blocks) with solid concrete blocks of size 40x15x20cms confirming to IS 2185/1965 in superstructure including cost of materials labours charges scaffolding curing complete as per specifications	Sqm
16	KSRB 4.1.6 Providing and laying in position plain cement concrete of **mix 1:2:4 with** cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum machine mixed concrete laid in layers not exceeding 15cms thick well compacted, in foundation plinth and cills inluding cost of all materials labour HOM of machinery curing complete as per specifications	cum
17	**Providing and laying plain / reinforced cement concrete M20 for box** drain walls of thickness 10cm to 20cm including centring shuttering for work etc complete as per approved drawing and design MORTH specification No 1500, 1700, 2200	cum
18	KSRB 4.9.2 providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications	Tonne
20	Proviging precast slab of 250mm thick including cost of all materials labour, curing transportation, loading unloading etc complete as per direction of engineer in charge Data Rate	Sqm
23	Removing and resetting of kerb stones	M
24	Providing and fixing pre cast solid cement concrete kerb stones made out of **CC 1:2:4 with top and bottom width 114** and 165 mm respectively 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including formwork, curing including cost of all materials , labour, hire charges of machinery loading, unloading, lead and lift transportation etc, complete.	Nos
19	Providing precast slab of 100mm thick including cost of all materials labour curing transportation loading unloading etc complete as per the direction of engineer in charge Data rate	Sqm
21	KSRB 14.6-1 **Providing and laying heavy duty cobble stones 60mm thick interlock pavers,** using cement and course sand for manufactures of blocks of approved size , shape and colour with a minimum compressive strength of 281kgs per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour, curing complete as per specifications	Sqm

Previous Measurment		Present Measurement			Total up-to date		Remarks
Qty	cost	Qty	Rate	Cost	Qty	cost	
-	-	10913.52	60.00	654811.00	10913.52	654811.00	
-	-	10742.52	69.00	741234.00	10742 52	741234.00	
-	-	607.91	660.00	401219.00	607 91	401219.00	
-	-	6729.02	155.00	1042998.00	6729 02	1042998.00	
-	-	5372.76	140.00	752187.00	5372 76	752187.00	
-	-	405.86	5200.00	2110471.00	405 86	2110471.00	
-	-	19.76 18.22	2000.00	39528.00 36440.00	~~19.76~~ 18.22	~~39528.00~~ 36440.00	
-	-	592.33	3500.00	2073155.00	592 33	2073155 00	
-	-	1139.25	90.00	102532.00	1139 25	102532.00	
-	-	400.68	900.00	360612.00	400 68	360612.00	
-	-	235.17	5000.00	1175827.00	235 17	1175827.00	
-	-	268.55	6500.00	1745546.00	268 55	1745546.00	
-	-	15.91	65000.00	~~1034360.00~~ 1034150	15 91	~~1034360.00~~ 1034150.00	
-	-	954.21	4000.00	3816830.00	954 21	3816830.00	
-	-	1973.00	65.00	128245.00	1973 00	128245.00	
-	-	4280.00	300.00	1284000.00	4280.00	1284000.00	
-	-	3211.73	1800.00	5781105.00	3211.73	5781105.00	
-	-	985.87	800.00	788696.00	985.87	788696.00	

Sl No	Description of work	Unit
27	KSRRB 300-58 compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling inluding cost of all labour, HOM of machinery complete as per specifications.	Sqm
28	KSRRB M400-6.1: construction of granular sub base by providing close graded material, mixing in a mechanical mix plant at OMC, carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per specifications. A plant mix method close graded granular sub base material as per 400-1 for grading - II material	cum
29	KSRRB M400-17: Providing, laying spreading and compacting graded stones aggregate to wet mix macadam specifications including premixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying, in uniform layers with paver in sub base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH specification 406	cum
30	KSRRB M500-6: providing and applying **primer coat with bitumen** emulsion on prepared surface of granular base including clearing of road surface and spraying primer at the rate of 0 60 kg / sqm using mechanical means complete as per specifications. MORTH specification NO 502	Sqm
33	KSRRB 500-16: Providing and laying dense bituminous macadam 40/60mm compacted thickness with 5% bitumen 80/100 grade, contents on prepared surface with specified graded crushed aggregates, for base / binder course course including loading of material with F.E. loader, heating of binder aggregates and filler in hot mix plant 40-60 TPH, transporting the mixed material by tipper and laying with paver finisher to the required level and grade, rolling by power roller to achieve the desired density (but excluding	cum
31	KSRRB 500-2 Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH chapter 5	Sqm
32	KSRRB 500-7: providing and applying **tack coat** on the prepared black topped surfaces at 5kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding clearing of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications MORTH chapter 5	Sqm
34	KSRRB M500-15: providing and laying bituminous concrete 40mm thick with 40/60 TPH batch type hot mix plant producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 5.4 to 5.6% of mix and filler, transporting the hot mix to work site, laying with hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem roller to achieve the desire compaction as per MORTH	cum
35	KSRRB M500-15 Construction of dry lean cement concrete mix M5 with OPC cement @160 kgs, with 25mm and down size graded granite coarse aggregate at 0 86cum and fine aggregates @	cum
36	Cement concrete pavament construction of un reinforced plain cement concrete pavement thickness as per design over prepare sub base with OPC cement or any other type as per specification.	cum
37	Providing groove cutting for concrete pavement width of 5mm to 10mm and depth 80mm-100mm including cost of cutting machine generator & HOM of machinery including cost of blade coolant etc.	M
38	KSRRB 800-1: painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specification MORTH	sqm
39	KSRRB M800-13 Road marking with hot applied thermoplastic compound with reflect rising glass beads on bituminous surface- providing and laying of hot applied thermoplastic compound 2 5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2 5 mm is exclusive of surface to level,	sqm
25	Providing and fixing MS Hand railing for Balcony with 50mm dia MS hollaw pipe of 14 gauge, welded to 20mmX20mm M S squre road placed vertically spaced at 100mm at regular intervels of 600mm these vertical rods laterally tied to 3 horizantial roads spaced at equal interval. These assembly is fixed to concrete by using expansion bolts and welding the same to reinforcement bars and making good the surface all the joints and section hould be cut to length welded and grinded wherever necessaty etc. complete	sqm
13	KSRB 5 14 Providing and constructing precast concrete solid blocks with compressive strength not less than 35 kg/sqm with cement morter 1:4 masonry (quoin, jamp, closer blocks) with solid concrete blocks of size 40x10x20cms confirming to IS 2185/1965 in superstructure including cost of materials labours charges	Sqm

Certificates

TOTAL

1 The above work is done satisfactorily

2 There is no department Material issue for the above work.

3 This works comes under BBMP Limit.

Qty	cost	Present Measurement			Total up-to date		Remarks
		Qty	Rate	Cost	Qty	cost	
-	-	11573.65	4.50	52081.00	11573.65	52081.00	
-	-	1456.00	1400.00	2038394.00	1456.00	2038394.00	
-	-	2746.70	1550.00	4257392.00	2746.70	4257392.00	
-	-	12248.15	30.00	367445.00	12248.15	367445.00	
-	-	657.52	7500.00	4931389.00	657.52	4931389.00	
-	-	40389.50	3.25	131266.00	40389.50	131266.00	
-	-	50400.03	15.00	756000.00	50400.03	756000.00	
-	-	1670.15	9600.00	16033431.00	1670.15	16033431.00	
-	-	32.24 45.51	3900.00	~~177489.00~~ 125726.00	45.51	~~177489.00~~ 125726	
-	-	48.35 ~~68.27~~	5900.00	~~402793.00~~ 285265	68.27	~~402793.00~~ 285265	
-	-		125.00	0.00	0.00	0.00	
-	-	1135.23	60.00	~~68114.00~~ 68100.00	1135.23	~~68114.00~~ 68100.00	
-	-	1346.03	470.00	632632.00	1346.03	632632.00	
-	-	438.00	TR 2500 PR 2300.00	1007400.00	438.00	1007400.00	
-	-	517.94	705.00	365148.00	517.94	365148.00	
				55254340.00		55254340.00	

~~55254430~~/-
55081737=00

~~55254430~~/-
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Ramanjeeah

AE-01

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